

Reading from Pie Charts

Pie charts are a circle split into different sized sections where each section of the pie chart represents a different category.

They must have a key but do not have to contain any numerical values

Pie charts can be used to:

- represent univariate data
- compare 2 or more sets of unpaired data.

For data sets that are unequal in size we should use proportionate **comparative pie charts**

IMPORTANT:

They show us the **proportion** of data within various categories not the total

Without knowing the total population for a pie chart we cannot know the total of each category but we can compare the **proportions**

To calculate the number in a given category we use a manipulation of the formula:

proportion \times total

OR

$\frac{\text{angle}}{360} \times \text{total}$